Commonwealth of Kentucky Energy and Environment Cabinet Department for Environmental Protection

DEP7007T

Metal Plating and Surface Treatment Operations

DIVISION FOR AIR QUALITY

Emission Point Number (1)	Tank Designation & Type of Operation (2)	Date Installed (3)	Operating Schedule Hours/days/ weeks (4)	Tank Temp. °F (5)	Tank Size Gallons (6)	Chemical Composition of Contents of Tank (7)	Max. Hourly Make-Up Rate (Specify units/hour) (8)	Maximum Annual Make- Up Rate (Specify units/year) (9)	Type of Material Being Coated (10)

INSTRUCTIONS FOR COMPLETING THIS FORM: (Make additional copies, if necessary)

- (1) Assign an emission point number to each process that has a potential to emit any air pollutant.
- (2) List each tank in the process and specify the type of operation (e.g., electro-plating, stripping, pickling, electro-cleaning, etching, rinsing, tinning, etc.)
- (3-6) Self-explanatory.
- (7) List each of the chemical materials used on a separate line. Include the Material Safety Data Sheets for each chemical in the tank.
- (8-9) List the hourly and annual make-up rates for each chemical material. If the units are listed by volume, then provide concentration and density of each chemical material (these volumes will be used as permit conditions.)
- (10) Self-explanatory.

NOTES:

- (a) Provide a process flow diagram to show the arrangement of the tanks, the ventilation system, and the control devices.
- (b) Provide a brief description of the processes including all the chemical reactions taking place.
- (c) IMPORTANT: Complete DEP7007N for the air pollution control equipment and the ventilation system, including emission calculations.